

**Coronado High School  
Chemistry Honors Expectancy**

**Teacher: Mr. Parris      Room 909**

**Credit: One**

**Textbook: Merrill Chemistry, copyright 1998 publisher: Glencoe/Merrill**

**Course Overview:**

This first year course is designed for students who have successfully completed Algebra I and exhibit interest in science. Topics include: mathematics of chemistry, atomic theory and structure, laboratory procedures and safety, elements, compounds and mixtures, the structure and organization of the periodic table of elements, chemical bonding, nomenclature, the mole concept, acids-bases-salts, equilibrium, organic chemistry, radiation and nuclear chemistry, ecology and relationships of chemistry to the environment, biochemistry, electrochemistry, and forensic chemistry. The course will fulfill one of the science credits required for high school graduation, and will meet the college entrance requirements for laboratory science.

**Course Goals:**

1. To develop the basic skill of using the scientific method of problem solving.
2. To be thoroughly familiar with safe, efficient, and effective laboratory rules and procedures.
3. To develop basic laboratory techniques and skills in using laboratory equipment.
4. To develop skill in using symbols, terms, equations, metric system measurements, and use of mathematical calculations to express chemistry processes.
5. To develop an understanding of the differences among elements, compounds, and mixtures.
6. To develop an understanding of atomic structures.
7. To develop an understanding of and ability to use periodic tables.
8. To develop an understanding of chemical bonding.
9. To develop an understanding of and skill in writing and naming chemical formulas.
10. To recognize and balance the various types of chemical equations.
11. To develop an understanding of stoichiometry.
12. To develop an understanding of the qualitative and quantitative similarities and differences among gases, liquids, and solids.
13. To develop and understanding of qualitative and quantitative interrelationships of pressure, temperature, and volume of solids and liquids in general, and gases in particular.
14. To develop an understanding of the solution process.
15. To recognize the major differences between acids, bases, and salts.
16. To develop a basic understanding of kinetic theory.
17. To develop a basic background in kinetics.
18. To develop a basic understanding of electrochemistry.
19. To develop an understanding of basic organic chemistry.
20. To introduce basic nuclear chemistry.

21. To relate principles of chemistry to current societal items of concern such as the energy crisis, nuclear waste, and pollution in order to study current problems, describe and propose solutions, and evaluate the consequences of these solutions.
22. To have an awareness of the occupational opportunities related to chemistry.

**Grading Policy:**

**Grading Scale:** Letter grades will be assigned based on the following grading scale:

100-90	A
89-80	B
79-70	C
69-60	D
59 and below	F

- Grades will be posted in the classroom at least 4 times each quarter.
- Grades will be updated on ParentLink at least 2 times a week.
- Grades will only be discussed before or after school.

**Grade Distribution:**

**TESTS:** Tests and quizzes will be administered throughout the course to determine the students' individual progress. Tests and quizzes will account for 40% of each quarter's grade.

Tests will be given at the end of each unit of study. A final exam will be given at the end of each semester. The final will count for no more than 10% of your semester grade. Semester two final exam is cumulative for the entire year of study.

**LABORATORIES:** Lab activities will be completed throughout the course of the year to reinforce learning. Labs will emphasize hands on learning in a cooperative environment. Students who fail a lab for any reason may not participate in the next lab. Any student not participating in a lab will be given an alternative assignment of equal point value. Labs activities will account for 10% of each quarter's grade.

**ASSIGNMENTS/HOMEWORK:** Students are expected to complete all assignments to the best of their abilities. Assignments will be completed in class or at home as homework. You are expected to turn in all work on time. You are also expected to answer all questions in complete sentences unless instructed by me not to do so. Assignments will count for 20% of your semester grade.

- Homework will be assigned 3 to 4 times per week.

**PARTICIPATION:** 1. A total of 200 points will account to each student every quarter. These points will account for 20% of each quarter's grade.

2. Absences and tardies will affect the participation points.
3. Infractions of any kind (discipline, inappropriate behavior, unprepared, not actively participating , etc.) will result in a loss of these points.

**Teacher will document behaviors that lead to a deduction**

### **of participation points**

**NOTEBOOK:** You are required to have a notebook with paper, pencils, black or blue pens, highlighter, and a **calculator** (preferably one that will perform exponential functions). You will be expected to maintain one section in your notebook for this class only. There will be notebook checks administered periodically so keep your notebook neat, orderly, and compliant with notebook procedures outlined in class. Notebook checks will account for 10% of each quarter's grade.

**Make-up Work:** It is your responsibility to find out what assignments were missed in your absence. After an absence, students shall initiate contact with teacher (not during class time) to obtain make-up work within two school days directly following an absence.

Make-up work procedure:

1. Write objectives and class activities in your planner as found on the P.A.S.S. calendar.
2. Handouts and assignment sheets will be in a numbered folder in the crate by the front door. Obtain those that you are missing.
3. See me to schedule a time (before or after school) to make up any tests. Tests may be made up within three days of an absence.
4. See a friend or come in before or after school to obtain the notes missed.

Make-up work must be labeled as such and placed in the wire basket by the door. You will have 3 days to complete tests and assignments.

**Help Session Hours:** I will be available to assist students one half hour before and after school in room 909. Please come and see me if you need and help with this course!

**Attendance:** As a student it is your responsibility to be in class every day. You are expected to be on time every day. Students who exceed 10 unapproved absences in a semester will automatically lose credit for the class.

**Tardy Policy:** All students must adhere to the school-wide tardy policy. If a student is tardy, he/she must have a tardy lockout sheet to gain admittance to class.

### **Student Code of Behavior:**

If you act sensibly, responsibly, respectfully, and maturely, you will do fine. The following are guidelines to insure a safe and productive year. Failure to adhere to the code of behavior will result in disciplinary action.

\*Enter the room quietly and take your seat. Begin working on the Q.O.D.

1. Have all required materials ready at the beginning of class.  
(notebooks, requested materials, homework turned in)
2. Treat everyone in the class in a respectful manner.  
-practice patience and compassion.  
-use no offensive language.

- allow others the opportunity to speak.
- think before you speak.
- 3. Respect the property of others.
  - school and personal

**Respect for people and property is very important and will be stressed in this class!**

- 4. Remain seated in your designated seat until dismissed by me.
- 5. Listen and follow directions for all activities.
- 6. Mandatory compliance of all school rules.

**Disciplinary Actions Taken by Teacher:**

- 1. Verbal warning
- 2. Loss of participation points and privileges.
- 3. 30 minute detention after school.
- 4. Phone call to parent or guardian.
- 5. Habitual problems will be referred to the Dean.

**Citizenship:**

Citizenship grades will be earned by the student for their actions during each of the four nine week grading periods.

O = A student that demonstrates exemplary behavior or citizenship. This would include a student that assists other students in being successful.

As a student you promote a positive learning environment.

S = A student that demonstrates the proper motivation to be successful.

Does not hinder the success of other students in the class.

U = A student that creates an environment that makes learning difficult for themselves as well as others.

You can receive a U for the following reasons.

- 1. Dishonesty (cheating on tests or assignments, includes copying)
- 2. Disrespectful of students, teachers, or substitutes.
- 3. Four or more tardies.

Citizenship will be awarded based on absences, number of tardies, and quantity of participation points.